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IN THE CLAIMS

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Please amend the claims as follows:

3. (Amended) A vaccine as claimed in claim 2 wherein the microorganism is selected from the group consisting of *Pseudomonas aeruginosa*, *Escherichia coli*, *Salmonella gastroenteritis (typhimurium)*, *S. typhi*, *S. enteriditis*, *Shigella flexneri*, *S. sonnei*, *S. dysenteriae*, *Neisseria gonorrhoeae*, *N. meningitidis*, *Haemophilus influenzae*, *H. pleuropneumoniae*, *Pasteurella haemolytica*, *P. multilocida*, *Legionella pneumophila*, *Treponema pallidum*, *T. denticola*, *T. orale*, *Borrelia burgdorferi*, *Borrelia spp.*, *Leptospira interrogans*, *Klebsiella pneumoniae*, *Proteus vulgaris*, *P. morganii*, *P. mirabilis*, *Rickettsia prowazekii*, *R. typhi*, *R. rickettsii*, *Porphyromonas (Bacteriodes) gingivalis*, *Chlamydia psittaci*, *C. pneumoniae*, *C. trachomatis*, *Campylobacter jejuni*, *C. intermedius*, *C. fetus*, *Helicobacter pylori*, *Francisella tularensis*, *Vibrio cholerae*, *Vibrio parahaemolyticus*, *Bordetella pertussis*, *Burkholderia pseudomallei*, *Brucella abortus*, *B. suis*, *B. melitensis*, *B. canis*, *Spirillum minus*, *Pseudomonas mallei*, *Aeromonas hydrophila*, *A. salmonicida*, and *Yersinia pestis*.

In claim 4, line 2 between "vesicle" and "is" insert --of the microorganism--.

Claim 5. (Amended) A vaccine as claimed in claim 2 wherein the membrane

vesicle has a diameter of about 10 to about 200 nm [is a large membrane vesicle] which is obtained by treating the microorganism with a surface-active agent, and is characterized by containing outer membrane, cytoplasmic membrane or plasma membrane, and cytoplasm components.